



GEO THERMAL E N E R G Y

1. True or False? Choose the right answer:

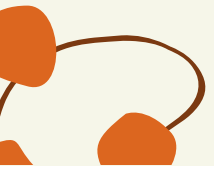
- The magma from volcanoes reaches a temperature of 5000°C.
- A geothermal plant is built close to a geothermal well to pump steam directly to the plant.
- Geothermal energy is used for medicinal and leisure purposes.
- Geothermal plants use wind turbines.
- When the magma makes contact with the subsoil waters it produces steam, which at the same time moves a turbine that generates heat for the boilers.

2. Complete the information about geothermal energy using the following words:

Our planet is covered by a thin external layer named _____, formed by different layers of rock and plates. Under the crust is a hotter layer with molten rock, know as _____.

The amount that's inside the Earth's surface contains _____ more energy than that which is found in the world's natural sources of gas and oil. Due to the extreme heat inside these stones, they end up breaking and releasing energy in the form of _____ or heat towards the land surface.

In order to achieve this heat, the water is pumped to a _____. Here, it's filtered through the cracks in the rocks, which are at a high temperature. The water returns via the _____ under pressure, in the form of steam. The steam is captured and used so that the electrical _____ work.



3. Kelvin has decided to visit the countries that use this renewable energy the most. Can you tell him which countries to visit? Circle them and write their name underneath.



4. Give 3 advantages and 3 disadvantages of using geothermal energy:

5. Circle the elements found in a geothermal plant:

steam

generator

pumping station

injection well

organic material

photovoltaic panel

turbine

